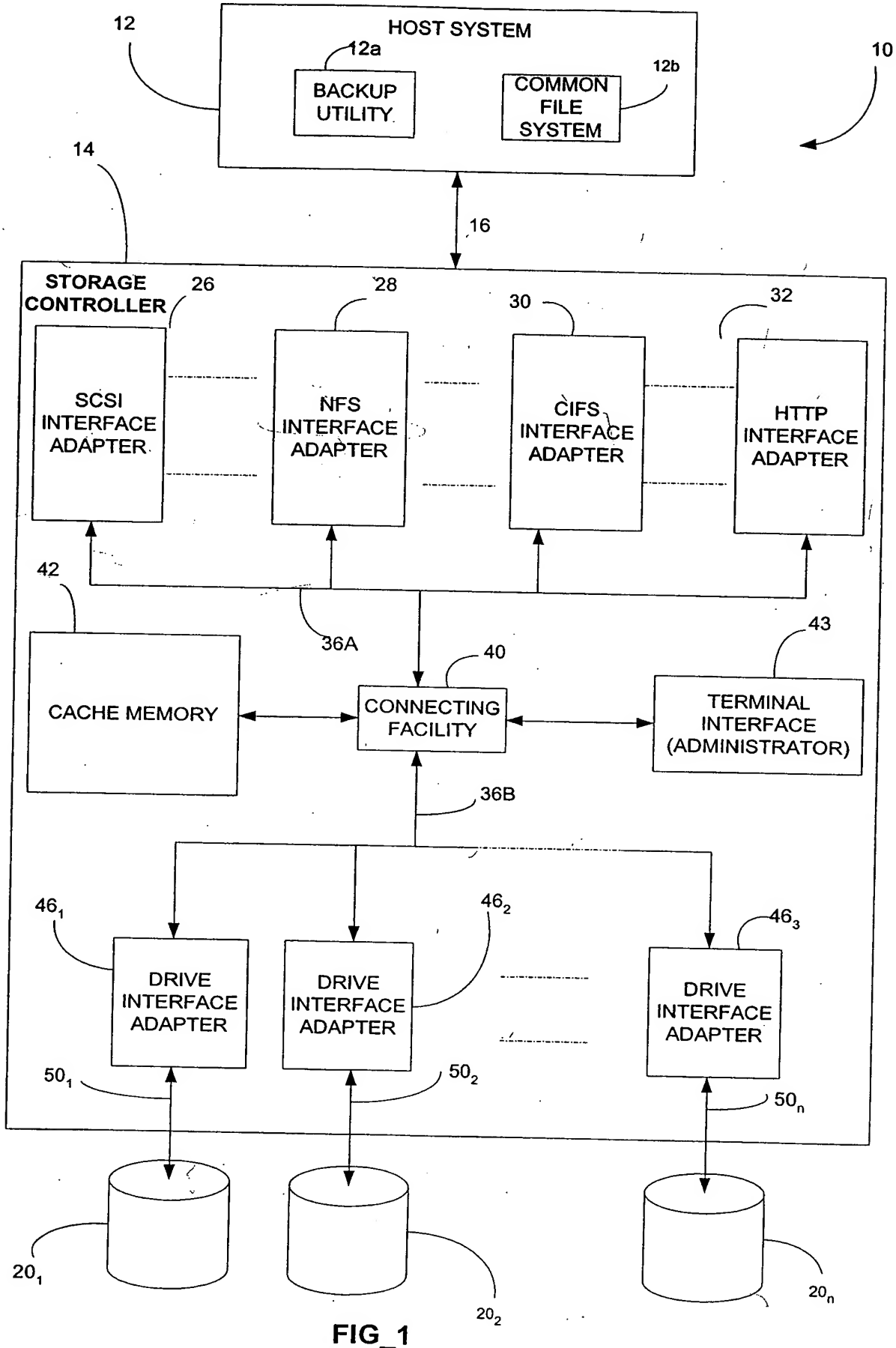
12
HOST SYSTEM
12a
BACKUP UTILITY
12b
COMMON FILE SYSTEM
10
14
16
STORAGE CONTROLLER
26
28
30
32
SCSI INTERFACE ADAPTER
NFS INTERFACE ADAPTER
CIFS INTERFACE ADAPTER
HTTP INTERFACE ADAPTER
42
36A
43
40
CACHE MEMORY
CONNECTING FACILITY
TERMINAL INTERFACE (ADMINISTRATOR)
36B
46$_1$
46$_2$
46$_3$
DRIVE INTERFACE ADAPTER
DRIVE INTERFACE ADAPTER
DRIVE INTERFACE ADAPTER
50$_1$
50$_2$
50$_n$
20$_1$
20$_2$
20$_n$

FIG_1

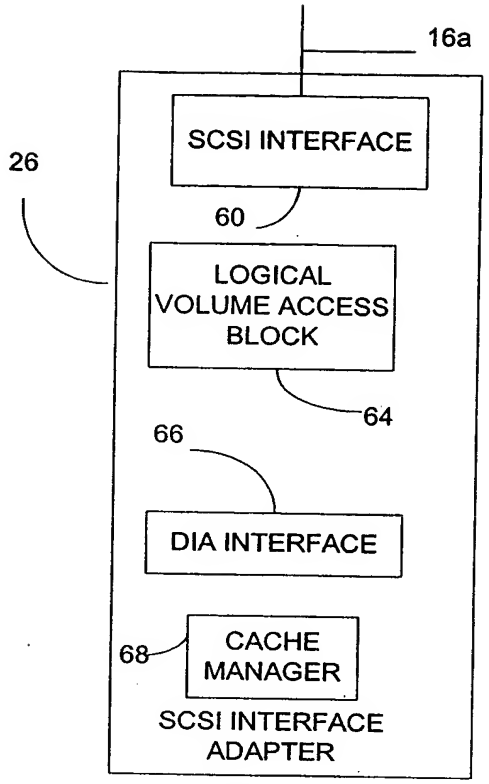

FIG_2

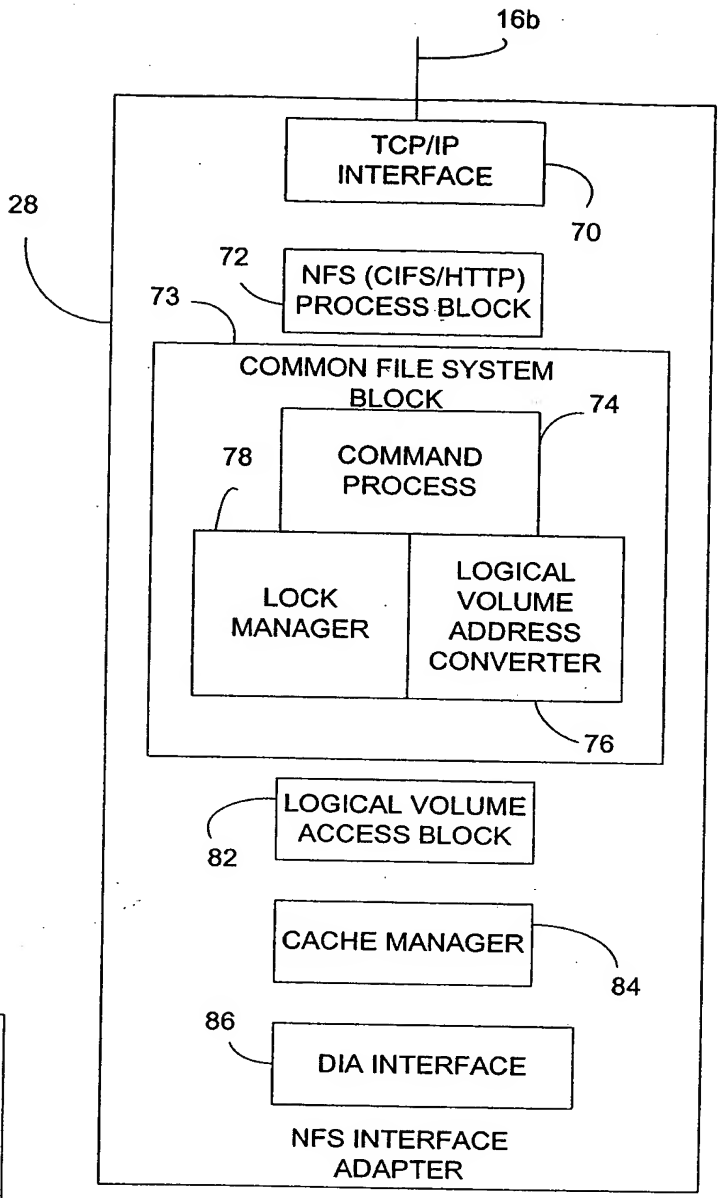

FIG_3

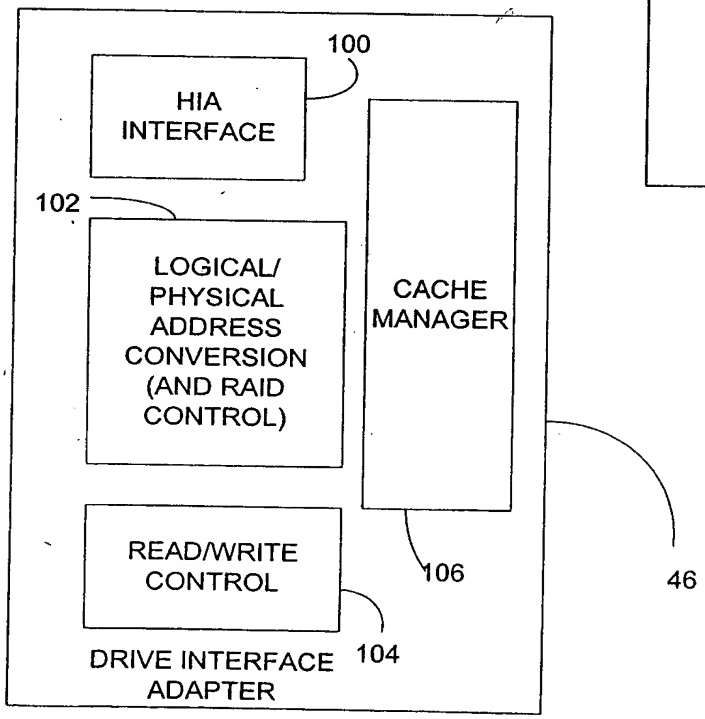

FIG_4

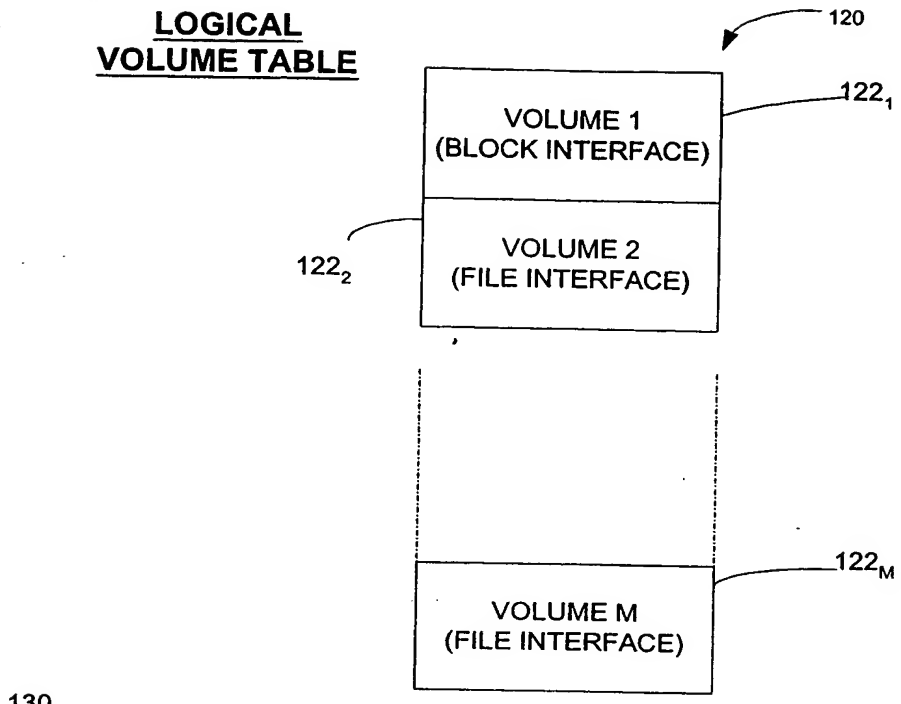
LOGICAL
VOLUME TABLE
120
VOLUME 1
(BLOCK INTERFACE)
122_1
VOLUME 2
(FILE INTERFACE)
122_2
VOLUME M
(FILE INTERFACE)
122_M

FIG_5

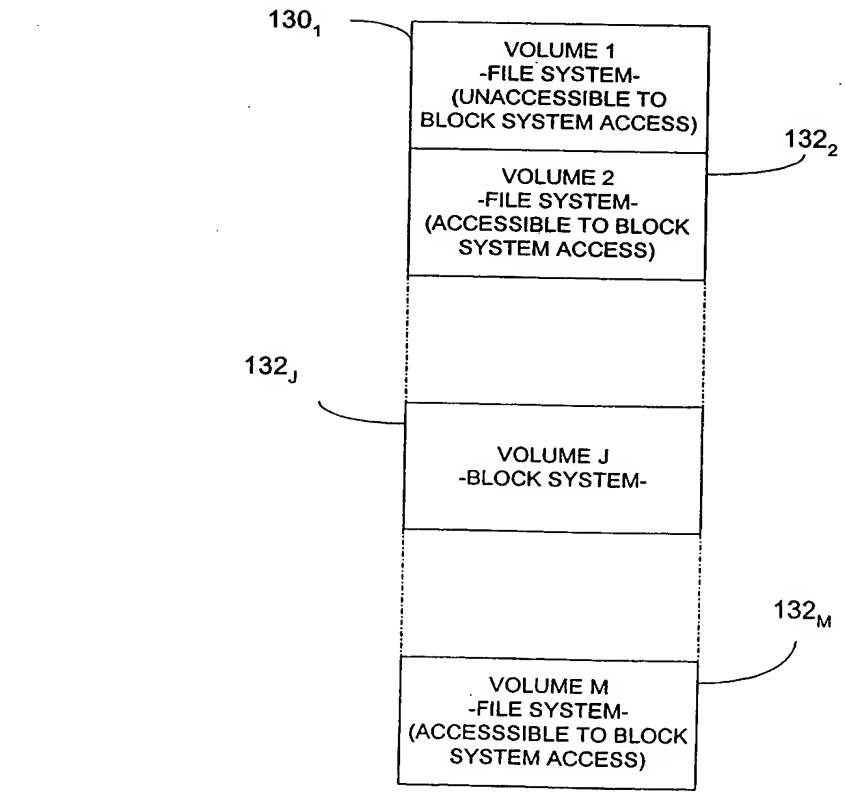
130
130_1
VOLUME 1
-FILE SYSTEM-
(UNACCESSIBLE TO
BLOCK SYSTEM ACCESS)
132_2
VOLUME 2
-FILE SYSTEM-
(ACCESSIBLE TO BLOCK
SYSTEM ACCESS)
132_J
VOLUME J
-BLOCK SYSTEM-
132_M
VOLUME M
-FILE SYSTEM-
(ACCESSSIBLE TO BLOCK
SYSTEM ACCESS)

FIG_6

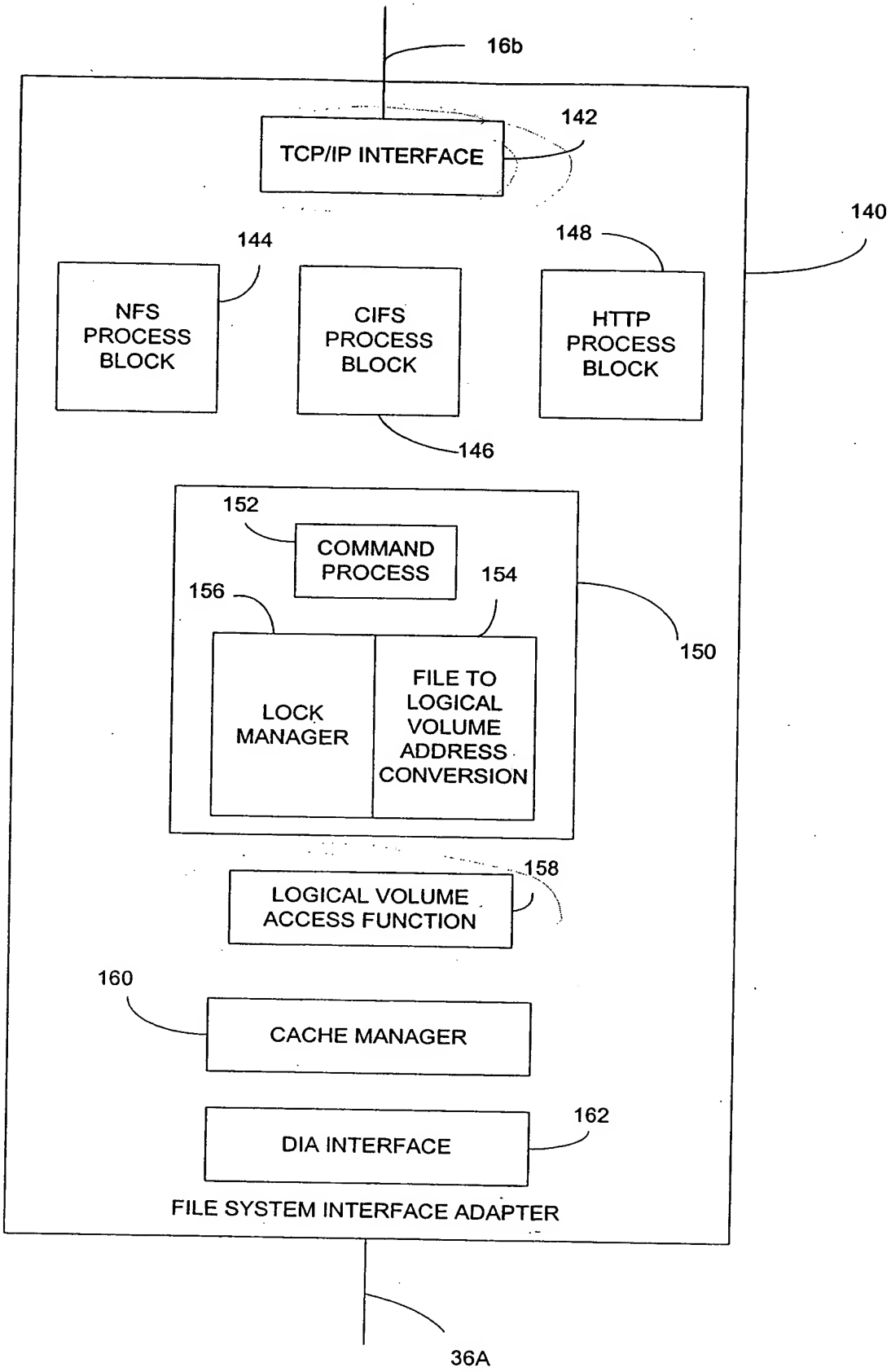
16b
142
TCP/IP INTERFACE
140
144
148
NFS PROCESS BLOCK
CIFS PROCESS BLOCK
HTTP PROCESS BLOCK
146
152
COMMAND PROCESS
154
156
150
LOCK MANAGER
FILE TO LOGICAL VOLUME ADDRESS CONVERSION
158
LOGICAL VOLUME ACCESS FUNCTION
160
CACHE MANAGER
162
DIA INTERFACE
FILE SYSTEM INTERFACE ADAPTER
36A

FIG_7

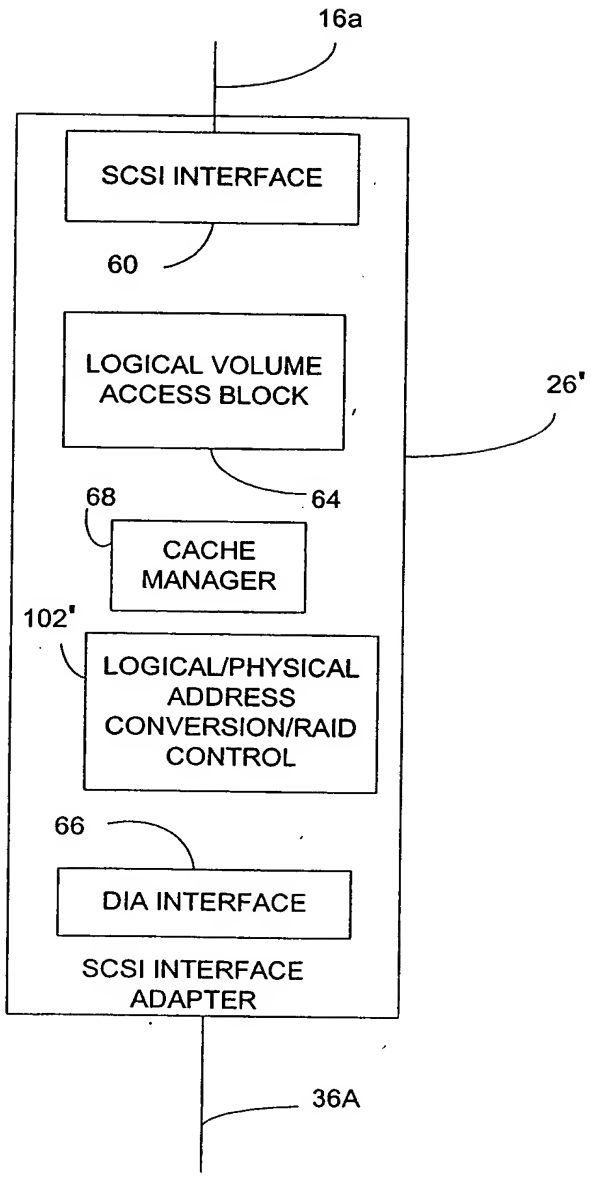
16a
SCSI INTERFACE
60
LOGICAL VOLUME ACCESS BLOCK
26'
64
68
CACHE MANAGER
102'
LOGICAL/PHYSICAL ADDRESS CONVERSION/RAID CONTROL
66
DIA INTERFACE
SCSI INTERFACE ADAPTER
36A

FIG_8